



Legal Department
 Milliken & Company, M-495
 920 Milliken Road
 Post Office Box 1926
 Spartanburg, SC 29304

Fax

To:	Commissioner for Patents US Patent & Trademark Office Examiner: Henry Yuen	From:	Charlotte C. Wilson Agent for Applicant Registration No. 45,224
Fax:	(571) 273 - 4856	Fax:	(864) 503 - 1999
Phone:	(571) 272 - 4856	Phone:	(864) 503 - 2194
Subject:	US Patent Application No. 09 / 587,634 Application of: DeMEYER et al. "Method of On-site Production of Novel Textile Reinforced Thermoplastic or Thermoset Pipes" Docket No.: 5023		
Date:	February 16, 2007		
Copies:	Pages: 61 (including coversheet)		

Comments:

Per your request, please find as follows—

6/5/00	Utility Application Transmittal	1 page
	Specification	27 pages
	Claims	1 page
	Abstract	1 page
	Informal Drawings	6 pages
	Copy of Express Mail label and postcard receipt	1 page
08/15/00	Notice to File Missing Parts	1 page
	Filing Receipt	2 pages
10/05/00	Response to Notice to File Missing Parts	1 page
	Declaration / Power of Attorney	1 page
	Assignment Recordation Form (PTO-1595)	1 page
	Assignment documents	2 pages
	Copy of postcard receipt	1 page
10/18/00	Information Disclosure Statement (and PTO-1449)	2 pages
	Copy of postcard receipt	1 page
10/20/00	Updated Filing Receipt	3 pages
12/22/00	Assignment Recordation documents from USPTO	5 pages
01/15/04	Status Inquiry	1 page
	Postcard receipt	1 page
01/26/04	Status Report	1 page

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 +
 omitted from
 scanning
 H Yuen
 2/16/07*

Confidentiality Notice:

Privileged/Confidential information may be contained in this facsimile and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering this facsimile to the addressee, you may not copy or deliver it to anyone else. If you receive this facsimile by mistake, please notify us immediately by telephone. Thank you.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

June 5, 2000

Docket Number 5023

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of the Inventor(s), Willy De Meyer et al., for the invention entitled: METHOD OF ON-SITE PRODUCTION OF NOVEL TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET PIPES

1. Enclosed are 6 sheet(s) of informal drawings.

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

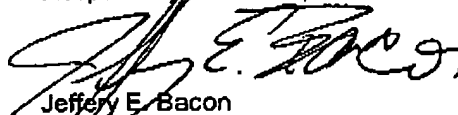
	Number Filed	Less	Equals	x Rate	TOTALS
Basic Fee	*****	*****	0	*****	\$690.00
Total Claims	1	20	0	18.00	0.00
Independent Claims	1	3	0	78.00	0.00
TOTAL FILING FEE	*****	*****	*****	*****	\$690.00

2. The Commissioner is hereby authorized to charge the filing fee of \$690.00 to Deposit Account No. 04-0500. A duplicate copy of this sheet is enclosed.

3. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any over-payment to Deposit Account No. 04-0500. A duplicate copy of this sheet is enclosed.

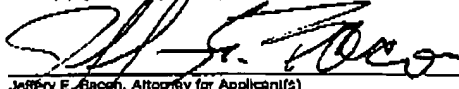
Milliken & Company
P. O. Box 1927
Spartanburg, South Carolina 29304
Telephone Number: (864) 503-1160

Respectfully submitted,


Jeffery E. Bacon
Attorney for Applicant(s)
Registration Number 35,055

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail" Identification number EL478056958US in an envelope addressed to the Assistant Commissioner of Patents, Washington, DC 20231, on June 5, 2000, along with the (1) 27 Pages of Specifications; (2) 1 Pages of Claims; (3) a one (1) Page Abstract; (4) 6 Sheets of Informal drawings; and a (5) Post Card Receipt.


Jeffery E. Bacon, Attorney for Applicant(s)

FORMALITIES LETTER



OC000000005323786

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/587,634	06/05/2000	Willy De Meyer	5023

Milliken and Company
P O Box 1927
Spartanburg, SC 29304

10/15/00

Date Mailed: 08/15/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

http://www.africapeach.com/correspondence/1.htm

AUG 21 2004

FILING RECEIPT



OC000000005323785



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: ASSISTANT SECRETARY AND
COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/587,634	06/05/2000	3753	690	5023	6	1	1

Milliken and Company
P O Box 1927
Spartanburg, SC 29304

10/15/00
winning
parts

Date Mailed: 08/15/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Willy De Meyer, Residence Not Provided;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 08/15/2000

Figure 1

Title

Method of on-site production of novel textile reinforced thermoplastic or thermoset pipes

Preliminary Class

138

Data entry by : DURHAM, DESHAWN

Team : QIPE

Date: 08/15/2000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231

U.S. PTO Customer No. 25280

Case #5023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: De Meyer et al.
Serial Number: 09/587,634
Filed: June 5, 2000
Title: METHOD OF ON-SITE PRODUCTION OF
NOVEL TEXTILE REINFORCED
THERMOPLASTIC OR THERMOSET PIPES
Group Art Unit: 3753
Examiner: Unknown

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF
NONPROVISIONAL APPLICATION
FILING DATE GRANTED**

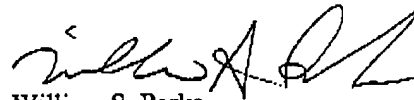
BOX Missing Parts
Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Notice to File Missing Parts of Application Filing Date Granted, dated August 15, 2000, attached is a copy of the Notice and a properly executed Declaration for Patent Application. Please find a check enclosed for the \$130.00 Fee with check number 869012. Furthermore, please find enclosed Assignment with Cover sheet and please forward to the proper branch for processing.

Respectfully requested,

October 5, 2000



William S. Parks
Attorney for Applicants
Reg. No. 37,528
Telephone: (864) 503-1537

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents, Washington, DC 20231, on October 5, 2000, along with an executed declaration, an executed assignment (with Cover Sheet), Check for \$130.00, and a post card receipt.



William S. Parks, Attorney for Applicants

DECLARATION FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office addresses and citizenship are as stated below next to our names. We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD OF ON-SITE PRODUCTION OF NOVEL TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET PIPES**, the specification of which was assigned Application Serial No. 09/587,634 and a filing date of **JUNE 5, 2000**.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status - patented, pending or abandoned)

We hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

(Application Serial No.)

(Country)

(Filing Date)

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Terry T. Moyer, Registration Number 26,008 and WILLIAM S. PARKS, Registration Number 37,528

SEND CORRESPONDENCE TO:

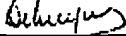
Terry T. Moyer
P. O. Box 1927
Spartanburg, SC 29304

DIRECT TELEPHONE CALLS TO:

WILLIAM S. PARKS
(864) 503-1537


We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: WILLY DE MEYER

Inventor's Signature: 
Residence: J.B. d'HANEDROEF, DROGEN, BELGIUM, B-9031
Citizenship: BELGIAN
Post Office Address: J.B. d'HANEDROEF, DROGEN, BELGIUM, B-9031
J.B. d'HANEDROEF 8, DROGEN

Date: 29th of Sept, 2000

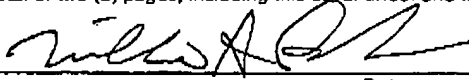
Full name of second joint inventor: MICHAEL W. GILPATRICK

Inventor's Signature: 
Residence: 311 RIDINGS ROAD, CHESNEE, SC, 29323
Citizenship: UNITED STATES
Post Office Address: 311 RIDINGS ROAD, CHESNEE, SC, 29323

Date: Oct 5, 2000

U.S. PTO Customer No. 25280

Case #5023

Form PTO-1595 1-31-92	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Willy De Meyer and Michael W. Gilpatrick Additional name(s) of conveying party(ies) attached? NO	2. Name and address of receiving party(ies): Name: <u>Milliken & Company</u> Internal Address: <u>Post Office Box 1926 (M-495)</u> <u>Spartanburg, South Carolina 29304</u> Street Address: <u>920 Milliken Road</u> <u>Spartanburg, South Carolina 29303</u> Additional name(s) & address(es) attached? NO	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Execution Date: October 5, 2000	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: October 5, 2000 A. Patent Application No.(s) 09/587,634 filed June 5, 2000 B. Patent No.(s) Additional numbers attached? NO		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: William S. Parks Internal Address: Milliken & Company Post Office Box 1926 (M-495) Spartanburg, South Carolina 29304 Street Address: 920 Milliken Road Spartanburg, South Carolina 29303	6. Total number of applications and patents involved: ① 7. Total fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 04-0500	
DO NOT USE THIS SPACE		
9. Statement, Certificate of Mailing, and signature. To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document. Further, I hereby certify that this correspondence including the attached Assignment, is being deposited on October 5, 2000 with the United States Postal Service as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231, and contains a total of two (2) pages, including this cover sheet and the original assignment. William S. Parks Attorney for Applicant Registration No. 37,528 Signature  Date October 5, 2000 OMB No. 0651-0011 (exp. 4/94)		
Do not detach this portion		
Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignments Washington, DC 20231		

Case No. 5023

U. S. I Customer No. 25280

ASSIGNMENT

WHEREAS, I, Michael W. Gilpatrick, a citizen of the United States, residing at 311 Ridings Road, Chesnee, SC, in the County of Spartanburg, and State of South Carolina, have invented certain new and useful improvements in METHOD OF ON-SITE PRODUCTION OF NOVEL TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET PIPES, for which I have executed an application for Letters Patent of the United States with a filing date of JUNE 5, 2000 and Application Serial No. 09/587,634; and

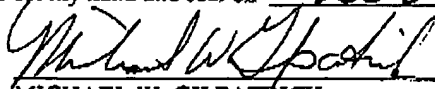
WHEREAS, MILLIKEN & COMPANY, a Corporation, organized under the laws of the State of Delaware and located at Spartanburg, in the County of Spartanburg and State of South Carolina, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of Fifty Dollars (\$50.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said WILLY DE MEYER, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto the said MILLIKEN & COMPANY, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States and all divisions, renewals and continuations thereof, and all Letters Patent of countries foreign to the United States which may be granted thereon and all reissues and extensions thereof; and I hereby authorize and request the Commissioner of Patents of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issued all Letters Patent for said improvements to the said MILLIKEN & COMPANY, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY COVENANT that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY FURTHER COVENANT that I will communicate to the said Corporation, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Corporation, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY, WHEREOF, I hereunto set my hand and seal on Oct 5, 2000.


MICHAEL W. GILPATRICK (L.S.)

STATE OF SOUTH CAROLINA)
) ss
COUNTY OF SPARTANBURG)

On October 5, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared WILLY DE MEYER, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument and he acknowledged the same to be his free act and deed.

SEAL


Notary Public My Commission Expires
August 9, 2009

Case No. 5023

U. S. : Customer No. 25280

ASSIGNMENT

WHEREAS, I, Willy De Meyer, a citizen of the Belgian, residing at J.B. d' Hancourt, Drogen, Belgium B-9031, in the Country of Belgium, have invented certain new and useful improvements in METHOD OF ON-SITE PRODUCTION OF NOVEL TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET PIPES, for which I have executed an application for Letters Patent of the United States with a filing date of June 5, 2000 and Application Serial No. 09/587,634; and

WHEREAS, MILLIKEN & COMPANY, a Corporation, organized under the laws of the State of Delaware and located at Spartanburg, in the County of Spartanburg and State of South Carolina, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of Fifty Dollars (\$50.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Willy De Meyer, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto the said MILLIKEN & COMPANY, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States and all divisions, renewals and continuations thereof, and all Letters Patent of countries foreign to the United States which may be granted thereon and all reissues and extensions thereof; and I hereby authorize and request the Commissioner of Patents of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issued all Letters Patent for said improvements to the said MILLIKEN & COMPANY, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY COVENANT that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY FURTHER COVENANT that I will communicate to the said Corporation, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Corporation, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

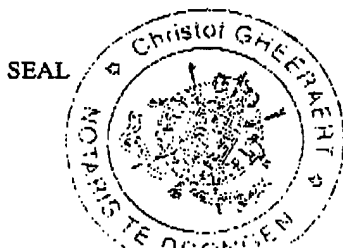
IN TESTIMONY, WHEREOF, I hereunto set my hand and seal on 3th of Oct, 2000.

Willy De Meyer (L.S.)

COUNTRY OF Belgium) ss

On 03. 10., 2000, before me, a Notary Public in and for the State of Ohio, personally appeared Willy De Meyer, to me known and known to me to be the person of that name, he being duly identified by me, and he acknowledged the same to be his free act and deed.

legalisatie van de gestelde handtekening
Gent. 03. 10. 2000



Notary Public

Official d. amp of the United States Patent and Trademark
Office her. . acknowledges receipt of: Notice to File Missing
Parts, Declaration, Assignment with Cover Sheet, Check for
\$130.00 Fee with number 869012, and postcard

RE: U. S. Patent Application Serial No.: 09/587,634

Applicant: De Meyer et al.

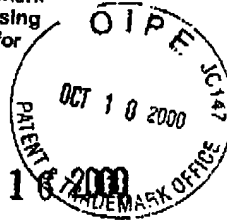
Filed: June 5, 2000

Title: METHOD OF ON-SITE PRODUCTION OF NOVEL
TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET
PIPES

Case Number: 5023

Attorney: William S. Parks

Date: October 5, 2000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Willy De Meyer et al.
Serial Number: 09/587,634
Filed: June 5, 2000
Title: METHOD OF ON-SITE PRODUCTION OF
NOVEL TEXTILE REINFORCED
THERMOPLASTIC OR THERMOSET PIPES
Group Art Unit: 3753
Examiner: Unknown

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

Under the provisions of 37 C.F.R. §1.97, et seq., including specifically subsections (g) and (h) thereof,


Applicant(s) call to the attention of the Examiner the following documents:

U. S. Patent 4,116,743 (Davis)
U. S. Patent 4,770,915 (Nakagawa et al.)
U. S. Patent 5,014,755 (Bompard et al.)
U. S. Patent 5,229,056 (De Meyer et al.)
U. S. Patent 5,691,030 (De Meyer)
U. S. Patent 5,698,282 (De Meyer)

The above-listed references are provided for the examiner's review and entry in the record herein.

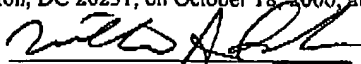
October 18, 2000

Respectfully submitted,


William S. Parks
Attorney for Applicants
Registration No. 37,528
Telephone Number: (864) 503-1537

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents, Washington, DC 20231, on October 18, 2000, along with 6 Prior Art documents, Form PTO-1449 (Modified), and a postcard receipt.


William S. Parks, Attorney for Applicants

[illegible]

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Office: a stamp of the United States Patent and Trademark
Office hereon acknowledges receipt of: Information Disclosure
Statement, Form PTO-1449 (Modified), Postcard Receipt

RE: U. S. Patent Application Serial No.: 09/587,634

Applicant: De Meyer et al.

Filed: June 5, 2000

OCT 26 2000

Title: METHOD OF ON-SITE PRODUCTION OF NOVEL
TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET
PIPES

Case Number: 5023

Attorney: William S. Parks

Date: October 18, 2000



OCT 3 0 2000



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/587,634	06/05/2000	3753	820	5023	6	1	1

FILING RECEIPT

OC000000005492680

Terry T Moyer
P O Box 1927
Spartanburg, SC 29304

Date Mailed: 10/20/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Willy De Meyer, Drongen, BELGIUM;
Michael W. Gilpatrick, Chesnee, SC ;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 08/15/2000

Title

Method of on-site production of novel textile reinforced thermoplastic or thermoset pipes

Preliminary Class

138

Data entry by : DURHAM, DESHAWN

Team : OIPE

Date: 10/20/2000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
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Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



101499530B

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

DECEMBER 22, 2000

TO: OFFICE OF FINANCE

FROM: ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 040500
PROPERTY NUMBER: 09587634

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
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TRADEMARK SERVICE FEES:	FEE CODE:
RECORDING FIRST MARK	481
RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

AGREEMENT, OTHER PAPER, PER PROPERTY	
LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585

U.S. PTO Customer No. 25280

10-31-2000

Case #5023

Form PTO-1595 1-31-92		RECD 101499530 PATENTS ONLY	DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): <u>10-10-00</u> Willy De Meyer and Michael W. Gilpatrick Additional name(s) of conveying party(ies) attached? NO		2. Name and address of receiving party(ies): Name: <u>Milliken & Company</u> Internal Address: <u>Post Office Box 1926 (M-495)</u> <u>Spartanburg, South Carolina 29304</u> Street Address: <u>920 Milliken Road</u> <u>Spartanburg, South Carolina 29303</u> Additional name(s) & address(es) attached? NO	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>October 5, 2000</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>October 5, 2000</u> A. Patent Application No.(s) <u>09/587,634 filed June 5, 2000</u> B. Patent No.(s) Additional numbers attached? NO			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>William S. Parks</u> Internal Address: <u>Milliken & Company</u> <u>Post Office Box 1926 (M-495)</u> <u>Spartanburg, South Carolina 29304</u> Street Address: <u>920 Milliken Road</u> <u>Spartanburg, South Carolina 29303</u>		6. Total number of applications and patents involved: <u>①</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>04-0500</u>	
DO NOT USE THIS SPACE			
9. Statement, Certificate of Mailing, and signature. To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document. Further, I hereby certify that this correspondence including the attached Assignment, is being deposited on October 5, 2000 with the United States Postal Service as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231, and contains a total of two (2) pages, including this cover sheet and the original assignment. William S. Parks Attorney for Applicant Registration No. 37,528 Signature <u>[Signature]</u> Date <u>October 5, 2000</u>			
OMB No. 0551-0011 (exp. 4/94)			
Do not detach this portion Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignments Washington, DC 20231			

U.S. PTO Customer No. 75280

10-31-2000

Case #5023

Form PTO-1595 1-31-92		RECORDED PATENTS ONLY		101499530		DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.							
1. Name of conveying party(ies): <u>10-10-00</u> Willy De Meyer and Michael W. Gilpatrick Additional name(s) of conveying party(ies) attached? NO				2. Name and address of receiving party(ies): Name: <u>Milliken & Company</u> Internal Address: <u>Post Office Box 1926 (M-495)</u> <u>Spartanburg, South Carolina 29304</u> Street Address: <u>920 Milliken Road</u> <u>Spartanburg, South Carolina 29303</u> Additional name(s) & address(es) attached? NO			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>October 5, 2000</u>							
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>October 5, 2000</u> A. Patent Application No.(s) <u>09/587,634 filed June 5, 2000</u> B. Patent No.(s) Additional numbers attached? NO							
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DO NOT USE THIS SPACE							
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OMB No. 0651-0011 (exp. 4/94)							
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Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignments Washington, DC 20231							



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Washington, D.C. 20231

JAN 08 2008

DECEMBER 22, 2000

PTAS

MILLIKEN & COMPANY
WILLIAM S. PARKS
920 MILLIKEN ROAD
SPARTANBURG, SOUTH CAROLINA 29303



101499530A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 10/10/2000

REEL/FRAME: 011182/0936
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DE MEYER, WILLY

DOC DATE: 10/03/2000

ASSIGNOR:

GILPATRICK, MICHAEL W.

DOC DATE: 10/05/2000

ASSIGNEE:

MILLIKEN & COMPANY
920 MILLIKEN ROAD
SPARTANBURG, SOUTH CAROLINA 29303

SERIAL NUMBER: 09587634

FILING DATE: 06/05/2000

PATENT NUMBER:

ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

U. S. PTO Customer No. 25280



Case #5023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: De Meyer et al.
Serial Number: 09/587,634
Filed: June 5, 2000
For: Method of On-site Production of Novel Textile Reinforced Thermoplastic or Thermoset Pipes
Group Art Unit: 3753
Examiner: Unknown

STATUS INQUIRY

Honorable Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please verify the status of the above-captioned application and forward such results to the person signing below.

January 15, 2004

Respectfully requested,

Daniel R. Alexander
Attorney for Applicant(s)
Registration Number 32,604
Telephone: (864) 503-1372

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on January 15, 2004, along with a postcard receipt.

Daniel R. Alexander
Attorney for Applicant(s)

Official date stamp of the United States Patent and Trademark
Office hereon acknowledges receipt of: STATUS INQUIRY.
RE: U. S. Patent Application Serial No.: 09/587,634

Applicant: De Meyer et al.

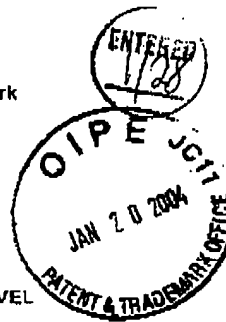
Filed: June 5, 2000

Title: METHOD OF ON-SITE PRODUCTION OF NOVEL
TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET
PIPES

Case Number: 5023

Attorney: Daniel R. Alexander

Date: January 15, 2004



CCW

✓

JAN 6 0 2004



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UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D. C. 20231
www.uspto.gov

Date: 1/26/04

MILLIKEN & COMPANY
920 MILLIKEN RD
PO BOX 1926
SPARTANBURG SC 29304

5023

To: Applicant of Serial Number 09587634 (Art Unit 3753)

We project that this application will be first examined in 0 to 3 months from today.

Customer Service Office in Technology Center: 3700

Phone Number: 703-306-5648

FAX Number: 703-872-9301

Applicant/Attorney Contact Information:

Telephone: (864)503-2194

Fax: (864)503-1999